

TPV

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Features:

A soft,black thermoplastic vulcanizate (TPV) in the thermoplastic elastomer (TPE) family. This material combines good physical properties,chemical resistance and elasticity, designed for injection applications.This grade of TPV can be processed on conventional thermoplastics equipment for injection molding.It is polyolefin based and completely recyclable.

|                      |            |                   |            |
|----------------------|------------|-------------------|------------|
|                      |            |                   |            |
|                      |            |                   |            |
| RoHS                 | RoHS       |                   |            |
|                      |            |                   |            |
|                      |            |                   |            |
|                      | 2018-12-26 |                   |            |
|                      |            |                   |            |
|                      | 0.960      | g/cm <sup>3</sup> | ISO 1183   |
| ( )                  | 0.85-1.25  | %                 | ISO 294    |
| ( )                  | 0.90-1.30  | %                 |            |
|                      |            |                   |            |
| (Shore A,15 sec,23 ) | 78.0       | A                 | ISO 868    |
|                      |            |                   |            |
| 100% - 23            | 3.0        | Mpa               | ISO 37     |
| - 23                 | 7.65       | Mpa               |            |
| - 23                 | 560        | %                 |            |
| - 23 Die C           | 30.0       | KN/m              | ISO 34-1   |
| 23 72h 25%           | 35         | %                 | ISO 815    |
| 70 22h 25%           | 45         | %                 |            |
|                      |            |                   |            |
| (100 ,168hr)         | -7.0       | %                 | ISO 188    |
| (100 ,168hr)         | -10.0      | %                 |            |
| (100 ,168hr)         | -1.0       | A                 |            |
| 200PPHM 40 *72       |            | /                 | ISO 1431-1 |
|                      |            |                   |            |
|                      | -56        |                   | ISO 812    |
|                      |            |                   |            |
|                      | 34         | mm/min            | GB/T 8410  |
|                      |            |                   |            |
| 0.55w/ 1890hr        | /          |                   | SAE J2527  |
| 0.55w/ 1890hr        | 4.0        |                   |            |
|                      |            |                   |            |
| 0.05%                |            |                   |            |

Drying Instructions: Need drying the granules before make molding,excessive moisture will lead materials bad extrusion surface,mechanical performance reduction and bad surface appearance. Moisture content request below 0.05%,suggesting drying as follow process:

| Drying conditions | Dring temperature/ | Dring time/h |
|-------------------|--------------------|--------------|
| first choice      | 80 90              | 2 3          |
| other choice      | 100                | 1            |

110 105  
 If drying temperature over than 110 ,it might cause materials blocking in barrel zone;if use moisture analysis meter,the temperature setting should be on 105 .



| R      |         |         |         |         |         |         |       |
|--------|---------|---------|---------|---------|---------|---------|-------|
| 40-150 | 160-170 | 180-185 | 190-210 | 190-215 | 180-205 | 170-185 | 50-70 |

1.Dawnprene TPV PVC  
 Dawnprene TPV is incompatible with PVC mateials,hence must clean the equipment before using.

2. 120mm×100mm×2mm,  
 Above testing data is tested by injection sample block, cutting by the sheet size is 120 ×100 ×2 .

3. 25%  
 Compression Set 25%

4. .  
 The properties is typical performance,is not regarding as technical index or agreement.

5.  
 Any reprocessing must follow the above instructions,and ensure no content impurity.

6.  
 Above instructions for reference only,different equipment might have difference parameters,please adjust accordingly with different mold and product shape.

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