

# Dawnprene TPE 9011-PB

TPE

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Features: It is a black thermoplastic elastomer (TPE) material. This material combines good physical properties, chemical resistance and elasticity, designed for extrusion applications. This grade of TPE can be processed on conventional thermoplastics equipment for extrusion. It is completely recyclable.

|   |                      |                   |                    |
|---|----------------------|-------------------|--------------------|
| <b>(GENERAL)</b>  |                      |                   |                    |
| (Application)   | extrusion item       |                   |                    |
| RoHS Compliance   | RoHS                 |                   |                    |
| (Color)   | black                |                   |                    |
| (Form)  | Pellet               |                   |                    |
| (Processing Method)   | (extrusion)          |                   |                    |
| (Revision Date)   | 2023-05-29           |                   |                    |
| <b>Physical</b>   | <b>Typical Value</b> | <b>Unit</b>       | <b>Test Method</b> |
| (Density)   | 1.0                  | g/cm <sup>3</sup> | ASTM D792          |
| <b>(Hardness)</b>   |                      |                   |                    |
| Shore Hardness(10 sec,2   | 90                   | A                 | ASTM D2240         |
| 100% - 2  | 4.5                  | Mpa               | ASTM D412          |
| - 2<br>Tensile strength- flow direction 2   | 18                   | Mpa               | ASTM D412          |
| - 2<br>2  | 760                  | %                 | ASTM D412          |
| - 2   | 58                   | KN/m              | ASTM D624          |
| 0.1%  |                      |                   |                    |
| 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 0.1%, suggesting drying as follow process: |                      |                   |                    |
| Drying conditions   |                      | Dry               |                    |

