

Product Technical Data Sheet

Revision Date: 2025-08-21

TDS No.: DJDPE_0001

Product Grade: B7120

Version: V 1.0

DFLEX[®] B7120 Polyolefin Elastomer (POE)

General & Properties Ethylene-butene copolymer is a high-performance copolymer with excellent impact resistance, suitable for thermoplastic polyolefin (TPO) applications requiring higher performance.Composition:72.3% ethylene and 27.7% butene.

- Low density
- Excellent flowability
- Good impact resistance

Applications

- Foamed shoe materials
- Wires and cables
- Toughening modification
- Thermoplastic polyolefin (TPO), etc.

Product Performance Parameters

Item	Test Standard	Unit	Typical Value
Physical Properties			
Melt Flow Rate (190°C/2.16kg)	ASTM D1238	g/10min	1.20
Density	ASTM D792	g/cm ³	0.862
Mechanical Properties			
Tensile Strength	ASTM D638	MPa	≥1.5
Tensile Elongation at Break	ASTM D638	%	> 500
Hardness (Shore A, 1s)	ASTM D2240	-	45
Thermal Properties			
Melting Temperature (DSC)	GB/T19466.3	°C	Measured

Tested on compression-molded samples



Version Information

First Release Date: 2025-08-21

Version: V 1.0

SUPPLY FORM: Supplied in the form of cylindrical pellets. It should be kept in its original packaging and stored in a cool, dry place. Avoid direct exposure to sunlight.

PACKAGING METHOD: 25kg/bag

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