



DE 3418.00 Developmental Elastomer

Overview Developmental DE 3418.00 Elastomer is a resin with a medium melt flow rate suitable for a wide variety of applications and fabrication processes, including cast film, extrusion and injection molding. It is an excellent resin for stretch films and soft films and is an excellent choice for PP modification.

Main Characteristics

- Excellent elasticity
- Excellent filler acceptance
- Good Processability

Applications:

- Cast film
- PP modification
- Blend component for thermoplastic elastomers

Complies with:

- U.S. FDA FCN 909
- U.S. FDA 21 CFR 175.105(c)(5)
- Consult the regulations for complete details.

Properties ⁽¹⁾		S.I.	English
Typical Physical Properties	Test Method		
Melt index (230°C, 2.16 kg), dg/min	ASTM D1238	8.0	8.0
Density, g/cm ³	ASTM D792	0.865	0.865
Typical Mechanical Properties			
Tensile Strength (Yield, Compression Molded)	ASTM D638	3.5 MPa ¹	509 psi ¹
Tensile Strength (Break, Compression Molded)	ASTM D638	16.7 MPa ¹	2420 psi ¹
Tensile Elongation (Break Compression Molded)	ASTM D638	783% ¹	783% ¹
Hardness			
Durometer Hardness (Shore A)	ASTM D2240	78	78
Thermal			
Vicat Softening Temperature	ASTM D1525	46 C	114 F

Note: These are typical properties only, and are not to be regarded as sales specifications. Users should confirm results by their own tests

¹ 2.0 in/min (50 mm/min), 80 mil plaque

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