



MP1250-TC (Developmental)

Homopolymer High Performance Packaging Core

Features: Clarified with Impede enhancement technology providing higher stiffness, improved barrier (O₂ and H₂O) and high clarity

Applications: Coextruded Thermoformed and Blow Molded packaging

Resin Properties

	Typical Value (SI)	Typical Value (English)	ASTM Test Method
Melt Flow Rate	5.5 g/10min		D1238
Density	0.90 g/cm ³		D1505
Melting Temperature	160 -165 °C	320 – 329 °F	D3418

Mechanical Properties

	Typical Value (SI)	Typical Value (English)	ASTM Test Method
Tensile Yield Strength	30.3 MPa	4390 psi	D 638
Tensile Yield Elongation	4.0 %	4.0 %	D 638
Flexural Modulus - Tangent	3050 MPa	442 kpsi	D 790
Flexural Modulus - Secant	2960 MPa	429 kpsi	D 790
Deflection Temperature @66psi (0.455 MPa)	80 °C	175 °F	D 648
Rockwell Hardness		I 10 R	D 785
Notched Izod @ 23°C	14 J/m	0.3 ft-lb/in	D 256
Haze @ 25mil	7 %	7 %	D 1003

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