

Jampilen EP310D

Heterophasic copolymer

Description:	<p>"Jampilen EP310D" is a high molecular weight, heterophasic polypropylene copolymer designed for extrusion applications where smooth processability and high mechanical properties are of the utmost importance.</p> <p>The processability of "Jampilen EP310D" in extrusion is excellent. The final items show good stiffness and very high impact strength, even at -20°C. "Jampilen EP310D" is particularly suitable for the extrusion of films for adhesive tapes and films for lamination to paper and other resins. Extrusion blow molded containers for detergents, toiletries and foodstuffs and blow molded technical parts are among other important applications.</p> <p>"Jampilen EP310D" is suitable for food contact.</p>
Processing Method:	<p>Extrusion blow molding Blown film Injection molding</p>
Features:	<p>High molecular weight Good stiffness Excellent processability Very high impact strength Heterophasic copolymer</p>
Typical Applications:	<p>Film for adhesive tapes Film for lamination to paper and other resins Extrusion blow molded containers for detergents, toiletries and foodstuff Blow molded technical parts are important applications Corrugated board, smooth and corrugated pipe</p>
Approval:	Food

TYPICAL PROPERTIES	VALUE	UNIT	METHOD
Physical			
Melt Flow Rate (230 °C, 2.16kg)	0.8	g/10min	ASTM D1238
Density	0.9	g/cm ³	ASTM D1505
Mechanical			
Flexural Modulus	1150	MPa	ASTM D790
Tensile Strength at Yield (MD)	27	MPa	ASTM D638
Tensile Elongation at Yield	15	%	ASTM D638
Izod Impact Strength (notched) at 23 °C	650	J/m	ASTM D256
Izod Impact Strength (notched) at 0 °C	200	J/m	ASTM D256
Izod Impact Strength (notched) at -20 °C	70	J/m	ASTM D256
Rockwell Hardness	80	R Scale	ASTM D785
Thermal			
Vicat softening point (10N)	150	°C	ASTM D1525
H.D.T. (0.46 Mpa)	85	°C	ASTM D648
Accelerated oven ageing in air at 150 °C	360	hours	ASTM D3012
Optical			
Haze (60 µm)	60	%	ASTM D1003
Gloss (60 µm)	12	----	ASTM D2457

4th Floor, No. 68, Taban St., Africa Blvd., Tehran, Iran.
Tel: +9821-84286, Fax: +9821-88879811
Email: info@jppc.ir
www.jppc.ir

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