

# Jampilen EP310D

Polypropylene Copolymer

Jam Polypropylene Company

Message:

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. 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. Jampilen EP310D is suitable for food contact.

General Information	
Features	Copolymer
	Food Contact Acceptable
	Good Processability
	High Impact Resistance
	High Molecular Weight
	High Stiffness
Uses	Adhesives
	Blow Molding Applications
	Blown Containers
	Corrugated Pipe
	Corrugated Sheet
	Film
	Laminates
	Tape
Processing Method	Blown Film
	Extrusion Blow Molding
	Injection Molding

Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	0.80	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	80		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	27.0	MPa	ASTM D638
Tensile Elongation (Yield)	15	%	ASTM D638
Flexural Modulus	1150	MPa	ASTM D790

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-20°C	70	J/m	
0°C	200	J/m	
23°C	650	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	85.0	°C	ASTM D648
Vicat Softening Temperature	150	°C	ASTM D1525 <sup>1</sup>
Accelerated Oven Ageing (150°C)	360	hr	ASTM D3012
Optical	Nominal Value	Unit	Test Method
Gloss (60.0 µm)	12		ASTM D2457
Haze (60.0 µm)	60	%	ASTM D1003
NOTE			
1.	Loading 1 (10 N)		

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