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AC5020

High Density Polyethylene

Copolymer Injection Grade

MELT INDEX 20.0
DENSITY 0.953

AC5020 is a high density, narrow molecular weight polyethylene copolymer intended for applications requiring a glossy surface finish and reasonably good impact strength and rigidity. It is characterized by a high melt index which allows easy processing of medium to thin-walled articles. While the adjuvants used in this product are cleared for food contact use under 21 CFR 177-1520, producer makes no representation as to suitable use with respect to food type or conditions of use. Additional information for specific applications (such as country inventory clearance, certifications under the Consumer Product Safety Improvement Act, or “not intentionally added” statements for specific chemicals) will not be provided.

Physical Properties¹

Physical Properties	Unit	Test Method	Value
Melt Index ²	g / 10 min	ASTM D 1238	20
Density	g / cc	ASTM D 4883	0.953
Tensile Strength @ Yield (2 in/min)	Mpa	ASTM D 638	26.9
Flexural Modulus 3	Mpa	ASTM D 790	1276
Notched Izod Impact Strength	J/m	ASTM D 256	32
Hardness (Shore D)	-	ASTM D 2240	65
Vicat Softening Point	°C	ASTM D 1525	123
Brittleness Temperature	°C	ASTM D 746	<-75
Deflection Temperature @ 66 psi	°C	ASTM D 648	76

¹ Typical properties will vary within specification limits.

² 190o C/2160 g

³ Tangent-Method



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