TECHNICAL DATA SHEET

TRICOLENE HDI6954

High Density Polyethylene

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TRICON

ADDING A WORLD OF VALUE

PRODUCT DESCRIPTION

This type of HDPE is a copolymer of ethylene and 1-butene with Narrow Unimodal MWD

PROCESSING METHODS	CHARACTERISTICS	APPLICATIONS
Injection Molding	Excellent Toughness	Industrial Containers
	Excellent Processability	Industrial Pails
	Good ESCR	Housewares

RESIN PROPERTIES	TEST METHOD	VALUES, ENGLISH UNITS	VALUES, INTERNATIONAL UNITS
Melt Flow Rate 2.16 kgf/190 °C MFR_2	ASTM D1238	**6.7** g/10 min	**6.7** g/10 min
Density 23 °C	ASTM D1505	**0.954** g/cm^3	**0.954** g/cm^3
Antioxidant Package	---	**Yes**	**Yes**

MECHANICAL PROPERTIES *	TEST METHOD	VALUES, ENGLISH UNITS	VALUES, INTERNATIONAL UNITS
Tensile Strenght at Yield 2,0 in/min (50,8 mm/min), Type IV compression molded plaque	ASTM D638	**4,100** psi	**28** MPa
Tensile Elongation at Break 2,0 in/min (50,8 mm/min), Type IV compression molded plaque	ASTM D638	**1,300** %	**1,300** %
Flexural Modulus Secant at 1 % of Elongation - 0,051 in/min (1,3 mm/min)	ASTM D790A	**155,200** psi	**1,070** MPa
Shore Hardness Type D Durometer	ASTM D2240	**63.0**	**63.0**

OTHER PROPERTIES *	TEST METHOD	VALUES, ENGLISH UNITS	VALUES, INTERNATIONAL UNITS
Vicat Softennig Temperature - VST 10 N (1 kg), 50 °C/h	ASTM D1525	**255** °F	**124** °C
Environmental Stress Crack Resistance - ESCR Condition B: 100 % Igepal at 50 °C, F50	ASTM D1693	**10** h	**10** h

* The data presented here is true and accurate to the best of our knowledge. Likewise, the values are nominal and should not be taken as minimum or maximum specifications. No warranty, express or implied, is made regarding resin performance. The customer must validate these properties according to his own evaluations on his machine and in his laboratory.

REGULATORY COMPLIANCE

This resin complies with the following FDA regulation: 21 CFR 177.1520: Olefinic Polymers. This regulation describes polyolefin resins that can be used safely for food packaging and preservation at low temperatures and at ambient temperatures. This resin is not designed for use in medical applications and should not be used in such applications.

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