TRANSAMERICAN
POLYMERS CORPORATION

TECHNICAL DATA SHEET (TDS)

HDPE IM40-50
HIGH DENSITY POLYETHYLENE

OVERVIEW: Excellent processability, impact resistance.

Applications: food container applications.

Complies with the specifications U.S FDA 21 CFR 177.1520

ADDITIVE: Antiblock: None Slip: None

Properties	Test Method	Units	Nominal Values
Melt Index	ASTM D1238	g/10 min	40
Density	ASTM D792	G/CC	0.952
Properties			
Tensile strength at Yield	ASTM D638	Psi/MPa	2900/20
Ultimate Tensile	ASTM D638	Psi/MPa	1600/11
Elongation	ASTM D638	%	250
Notched Izod Impact	ASTM D256	@ 50°C,ft.lb/in(J/cm)	0.9/49
Notched Izod Impact @ -23°C,ft.lb/in	ASTM D256	@ 23°C,ft.lb/in(J/cm)	0.4/21
Flexural Modulus	ASTM D790	Psi/MPa	132000/910
Tensile Modulus, 2% secant	ASTM D790	Psi/MPa	89000/614

Physical properties measured on compression molded specimens

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801 Travis St. Suite 2101 PMB 1864 Houston, TX 77002
Tel: +1 (877) 220-8942 www.transampolymers.com