

TECHNICAL DATA SHEET

Marlex® HMN 5445

Chevron Phillips Chemical Co. LP
(PE-HD)

Processing

Injection molding, Other extrusion

Special Characteristics

High impact or impact modified

Features

Copolymer, Hexene copolymer

Certifications

Food contact, Food approval FDA 21 CFR

Applications

Automotive, Packaging

Processing/Physical Characteristics	Value	Unit	Standard
Melt flow index, MFI	4.5	g/10min	ASTM D 1238
Temperature	190	°C	
Load	2.16	kg	
Mechanical Properties	Value	Unit	Standard
Tensile strength at yield	29	MPa	ASTM D 638
Elongation at break	990	%	ASTM D 638
Flexural modulus	1480	MPa	ASTM D 790
Shore D hardness	63		ASTM D 2240
Izod impact notched, 1/8 in	42	J/m	ASTM D 256
Thermal Properties	Value	Unit	Standard
DTUL @ 66 psi	76	°C	ASTM D 648
DTUL @ 264 psi	49	°C	ASTM D 648
Vicat temperature	125	°C	ASTM D 1525
Other Properties	Value	Unit	Standard
Density	954	kg/m ³	ASTM D 792