

TECHNICAL DATA SHEET

Marlex® HMN 55180

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	18	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	135	%	ASTM D 638
Flexural modulus	1350	MPa	ASTM D 790
Shore D hardness	63		ASTM D 2240
Izod impact notched, 1/8 in	27	J/m	ASTM D 256
Thermal Properties	Value	Unit	Standard
DTUL @ 66 psi	75	°C	ASTM D 648
DTUL @ 264 psi	50	°C	ASTM D 648
Vicat temperature	124	°C	ASTM D 1525
Other Properties	Value	Unit	Standard
Density	958	kg/m ³	ASTM D 792