

TECHNICAL DATA SHEET

Marlex® HMN 55180UV

Chevron Phillips Chemical Co. LP
(PE-HD)

Processing

Injection molding, Other extrusion

Special Characteristics

High impact or impact modified, U.V. stabilized or stable to weather

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	1380	MPa	ASTM D 790
Shore D hardness	63		ASTM D 2240
Izod impact notched, 1/8 in	26	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