



# EPDM NDR 245

## Hydrocarbon Rubber

**Overview** NDR 245 EPDM Hydrocarbon Rubber is a semi-crystalline, very low diene-containing ethylene-propylene-diene terpolymer (EPDM) designed for use as a viscosity modifier in engine oils, greases, and formulated multigrade lubricants. NDR 245 is developmental and made via INSITE™ Technology.

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	0.870 g/cm <sup>3</sup>	0.870 g/cm <sup>3</sup>	ASTM D297
Ethylene Content	70.0 wt%	70.0 wt%	ASTM D3900
Ash Content	< 0.1 wt%	< 0.1 wt%	ASTM D5667
Residual Transition Metal	< 10 ppm	< 10 ppm	Dow Method
Viscosity			ASTM D445
212°F (100°C) <sup>1</sup>	12.6 cSt	12.6 cSt	
212°F (100°C) <sup>2</sup>	16.0 cSt	16.0 cSt	
Optical	Nominal Value (English)	Nominal Value (SI)	Test Method
Yellowness Index	< 7.0 YI	< 7.0 YI	ASTM E313
Additional Information	Nominal Value (English)	Nominal Value (SI)	Test Method
Permanent Shear			ASTM D6278
-- <sup>3</sup>	49.0	49.0	
-- <sup>4</sup>	45.0	45.0	
Stability Index			ASTM D6022
-- <sup>3</sup>	49 %	49 %	
-- <sup>4</sup>	45 %	45 %	

**Storage and Handling:**

The quality of EPDM products may be affected by exposure to artificial or natural light. This product should be stored indoors in its original packaging and out of direct sunlight.

**Storage and Handling of Concentrates:**

Concentrated polymer solutions in oil should be stored at no greater than 70°C and handled at no greater than 120°C. Concentrate solutions may form a gel at temperatures less than 25°C. This gel will have no impact on finished formulation properties if eliminated by reheating the concentrate solution to 65°C.

**Notes**

These are typical properties only and are not to be construed as specifications. Users should confirm results by their own tests.

<sup>1</sup> Kinematic Viscosity; 1% polymer in 100 LP Base Oil

<sup>2</sup> Kinematic Viscosity; 1% polymer in 150 LP Base Oil

<sup>3</sup> 1% polymer in 150 LP Base Oil

<sup>4</sup> 1% polymer in 100 LP Base Oil

