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Royalene® 697 EPDM

Product Data

" A Highly Extendable ENB Polymer with Heavy Hydrotreated Paraffinic Oil for TPO/TPV and Thermoset Applications "

Unique Features

- ▶ Blends readily in TPO compounds
- ▶ Reduces mixing time in highly loaded TPO compounds
- ▶ Highly extendable
- ▶ Good aging properties
- ▶ Improved shape retention for hose tube and other extrusions
- ▶ Very high molecular weight base polymer
- ▶ High green strength over a broad temperature range
- ▶ Useful for making low hardness compounds

Applications

- ▶ TPO and TPV
- ▶ Automotive applications
- ▶ Mechanical goods
- ▶ Hose tubes
- ▶ Profile extrusions

Raw Polymer Properties and Specifications

| | Test Method* | Min. | Max. | Typical |
|---|--------------|------|------|--------------|
| Mooney Viscosity, ML (1+4)/125°C (Unmilled) | ZS 1220B | 40 | 55 | — |
| E/P Weight Ratio..... | ZS 1231 | — | — | 70/30 |
| ENB, Weight % | ZS 1222 | — | — | 4.5 |
| Molecular Weight Distribution | ZS 1296A | — | — | Medium |
| Oil Extension, phr (Light-colored Paraffinic) ... | ZS 1297 | — | — | 100 |
| Volatile Matter, Weight %..... | ZS 1008K | — | 1.0 | — |
| Stabilizer | — | — | — | Non-Staining |
| Specific Gravity, g/cc | ASTM D-792 | — | — | 0.88 |
| Color | ZS 1072A | — | — | Off-white |
| Physical Form, lbs/bale (Dense bale) | — | — | — | 55.1 (25 kg) |

* Company Test Methods

R-4697/mef

ASP-R277C
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