

中石化三井EPT™
3072EPM (pellet)

SSME 3072EPM is high ethylene, very high Mooney, medium diene and oil extended EPDM synthesized by Metallocene technology. 3072EPM has excellent mechanical properties. This grade is pellet form and is suitable for TPV.

APPLICATION

TPV, anti-vibration parts, low hardness parts

PROPERTY

High Mooney viscosity
High ethylene content
Medium ENB

FEATURE

High loading formulation
High mechanical strength
Easy mixing

Physical	Test Method	Typical Value
Mooney Viscosity $ML_{1+4}125^{\circ}C$	ASTM D1646	51 MU
Ethylene	ASTM D3900	66.0 wt%
ENB (Ethylidene Norbornene)	ASTM D6047	4.4 wt%
Extended oil	SSME method	40 phr

*These values are not to be construed as sales specifications.

Comparison of ASTM method and Mitsui Chemical method

		SSME 3072EPM		Mitsui 3072EPM
Physical		ASTM method	Mitsui method	Mitsui ChEPMical
ML ₁₊₄ 125°C	MU	51	51	51
Ethylene	wt%	66.0	64.0	64.0
ENB	wt%	4.4	5.8	5.4
REPMarks			just for reference	

The values of Mooney and ethylene content measured by ASTM method are same as Mitsui method.

The value of ENB content measured by ASTM method is lower than Mitsui Method.

ENB content of SSME 3072EPM is slightly higher than that of Mitsui 3072EPM.